



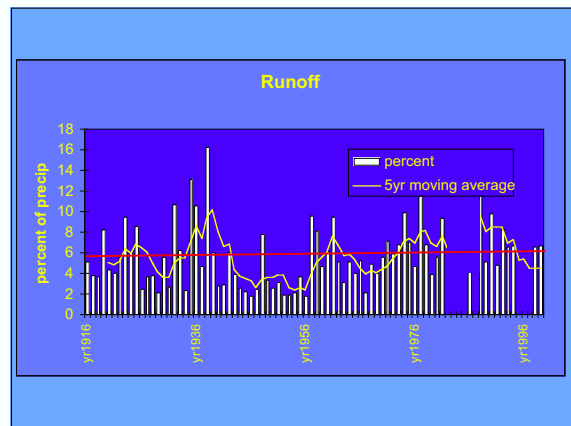
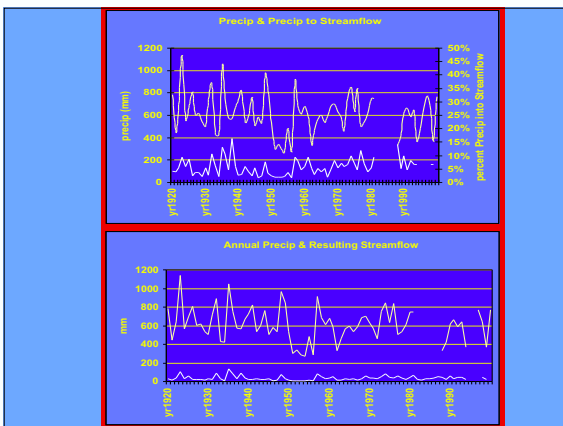
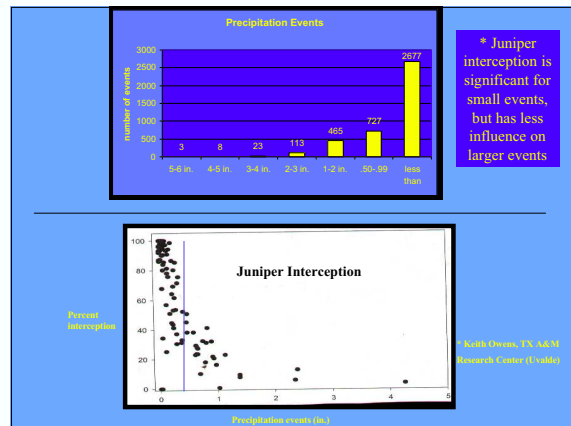
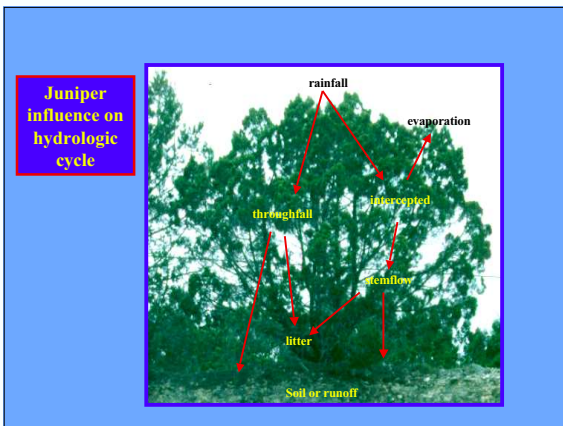
### What is the Interaction of Shrubs and Hydrology Given this Type of Flow Regime?

- Widespread conversion of grasslands and savannas to shrublands in the last 100 years
  - Mesquite, acia and redberry juniper
  - Dramatic shift of herbivory and fire regime

2% increase in shrub density

Preliminary Analysis of Vegetation Patch Analyst

1966\* 1995





## Preliminary Conclusions

- It appears that the runoff necessary to fill reservoirs on the Edwards Plateau is generated by large precipitation events.
- Surface cover has less influence on these large events than the small events.
- While there are many benefits to shrub control in the North Llano basin, increasing regional water yield does not appear to be one of them.